



## Author index

Volume 59 (1996)

Albagli, O., A. Klaes, E. Ferreira, D. Leprince, C. Klämbt, Function of ets genes is conserved between vertebrates and *Drosophila* 59, 29

Alexandre, E., Y. Graba, L. Fasano, A. Gallet, L. Perrin, P. De Zulueta, J. Pradel, S. Kerridge, B. Jacq, The *Drosophila* Teashirt homeotic protein is a DNA-binding protein and *modulo*, a HOM-C regulated modifier of variegation, is a likely candidate for being a direct target gene 59, 191

Audigier, Y., see Devic, E. 59, 129 Audigier, Y., see Devic, E. 59, 141

Besser, J., M.A. Zahalka, A. Ullrich, Exclusive expression of the receptor tyrosine kinase MDK4 in skeletal muscle and the decidua 59, 41

Breitbart, R.E., see Ticho, B.S. 59, 205

Dambly-Chaudière, C., see Leyns, L. 59, 63

De Zulueta, P., see Alexandre, E. 59, 191

Devic, E., L. Paquereau, K. Rizzoti, A. Monier, B. Knibiehler, Y. Audigier, The mRNA encoding a  $\beta$  subunit of heterotrimeric GTP-binding proteins is localized to the animal pole of *Xenopus laevis* oocyte and embryos 59, 141

Devic, E., L. Paquereau, P. Vernier, B. Knibiehler, Y. Audigier, Expression of a new G protein-coupled receptor X-msr is associated with an endothelial lineage in *Xenopus laevis* 59, 129

Duboule, D., see Sordino, P. 59, 165

Fasano, L., see Alexandre, E. 59, 191 Ferreira, E., see Albagli, O. 59, 29 Fishman, M.C., see Ticho, B.S. 59, 205

Forsberg-Nilsson, K., see Okabe, S. 59, 89 Frommer, G., see Wimmer, E.A. 59, 53

Gallet, A., see Alexandre, E. 59, 191

Gómez-Skarmeta, J.-L., see Leyns, L. 59, 63

Graba, Y., see Alexandre, E. 59, 191

Herrmann, B.G., see Huber, O. 59, 3

Huber, O. , R. Korn, J. McLaughlin, M. Ohsugi, B.G. Herrmann, R. Kemler, Nuclear localization of  $\beta$ -catenin by interaction with transcription factor LEF-1 **59**, 3

Jäckle, H., see Wimmer, E.A. **59**, 53 Jacq, B., see Alexandre, E. **59**, 191

Kemler, R., see Huber, O. 59, 3

Kerridge, S., see Alexandre, E. 59, 191

Klaes, A., see Albagli, O. 59, 29

Klämbt, C., see Albagli, O. 59, 29

Knibiehler, B., see Devic, E. 59, 129 Knibiehler, B., see Devic, E. 59, 141

Kondo, T., see Sordino, P. 59, 165

Koop, K.E., L.M. MacDonald, C.G. Lobe, Transcripts of Grg4, a murine groucho-related gene, are detected in adjacent tissues to other murine neurogenic gene homologues during embryonic development 59, 73

Kom, R., see Huber, O. 59, 3

Lardelli, M., R. Williams, T. Mitsiadis, U. Lendahl, Expression of the Notch 3 intracellular domain in mouse central nervous system progenitor cells is lethal and leads to disturbed neural tube development 59, 177

Lee, K., J. Nichols, A. Smith, Identification of a developmentally regulated protein tyrosine phosphatase in embryonic stem cells that is a marker of pluripotential epiblast and early mesoderm 59, 153

Lendahl, U., see Lardelli, M. 59, 177 Leprince, D., see Albagli, O. 59, 29

Leyns, L., J.-L. Gómez-Skarmeta, C. Dambly-Chaudière, iroquois: a prepattern gene that controls the formation of bristles on the thorax

of *Drosophila* 59, 63 Lobe, C.G., see Koop, K.E. 59, 73

MacDonald, L.M., see Koop, K.E. 59, 73

McKay, R.D.G., see Okabe, S. 59, 89

McLaughlin, J., see Huber, O. 59, 3

Mitsiadis, T., see Lardelli, M. 59, 177 Monier, A., see Devic, E. 59, 141

Neuman-Silberberg, F.S., T. Schüpbach, The *Drosophila* TGF-α-like protein Gurken: expression and cellular localization during *Drosophila* oogenesis 59, 105

Nichols, J., see Lee, K. 59, 153

Ohsugi, M., see Huber, O. 59, 3

Okabe, S., K. Forsberg-Nilsson, A.C. Spiro, M. Segal, R.D.G. McKay, Development of neuronal precursor cells and functional postmitotic neurons from embryonic stem cells in vitro 59, 89

Paquereau, L., see Devic, E. 59, 129

Paquereau, L., see Devic, E. 59, 141

Perez, S.E., H. Steller, Molecular and genetic analyses of *lama*, an evolutionarily conserved gene expressed in the precursors of the *Drosophila* first optic ganglion 59, 11

Perrin, L., see Alexandre, E. 59, 191

Pradel, J., see Alexandre, E. 59, 191

Purnell, B.A., see Wimmer, E.A. 59, 53

Rizzoti, K., see Devic, E. 59, 141

Schüpbach, T., see Neuman-Silberberg, F.S. 59, 105

Segal, M., see Okabe, S. 59, 89

Smith, A., see Lee, K. 59, 153

Sordino, P., D. Duboule, T. Kondo, Zebrafish Hoxa and Evx-2 genes: cloning, developmental expression and implications for the functional evolution of posterior Hox genes 59, 165

Spiro, A.C., see Okabe, S. 59, 89

Stainier, D.Y.R., see Ticho, B.S. 59, 205

Steller, H., see Perez, S.E. 59, 11

Teel, A.L., H.J. Yost, Embryonic expression patterns of Xenopus syn-

decans 59, 115
Ticho, B.S., D.Y.R. Stainier, M.C. Fishman, R.E. Breitbart, Three zebrafish MEF2 genes delineate somitic and cardiac muscle development in wild-type and mutant embryos 59, 205

Ullrich, A., see Besser, J. 59, 41

Vernier, P., see Devic, E. 59, 129

Williams, R., see Lardelli, M. 59, 177

Wimmer, E.A., G. Frommer, B.A. Purnell, H. Jäckle, buttonhead and D-Sp1: a novel Drosophila gene pair 59, 53

Yost, H.J., see Teel, A.L. 59, 115

Zahalka, M.A., see Besser, J. 59, 41



## Subject index

## Volume 59 (1996)

achaete-scute complex; iroquois; Prepattern; Drosophila; Neurogenesis 59, 63

Afferent input; Drosophila visual system; Neural and glial precursors 59, 11

Analia-genitalia; Hox genes; Evx-2; Development; Trunk; Pectoral fins; Limb 59, 165

β-Catenin; Lymphoid enhancer factor-1; Nuclear localization; Wingless/Wnt-signaling; Epithelial-mesenchymal transition; Xenopus 59, 3

c-ets-1/c-ets-2; Ets genes; pointed; R7-photoreceptor; Central nervous system; Evolution 59, 29

Cardiogenesis; MEF2; Zebrafish; Myogenesis; Somites 59, 205

Central nervous system; Embryonic stem cell; Neuronal precursor cell; In vitro culture; Synapse 59, 89

Central nervous system; Ets genes; pointed; c-ets-1/c-ets-2; R7-photoreceptor; Evolution 59, 29

**Chordotonal organs**; Gene pair; Head development; Peripheral nervous system; Zinc finger proteins 59, 53

Confocal; Drosophila; Dorsal-ventral axis; Oogenesis; Signal transduction 59, 105

Decidua; Receptor tyrosine kinase; Skeletal muscle differentiation; Syncytia 59, 41

Development; Hox genes; Evx-2; Trunk; Pectoral fins; Analia-genitalia; Limb 59, 165

Differential RNA display; Protein tyrosine phosphatase; Embryonic stem cells; Embryogenesis; Epiblast; Mesoderm; Gametogenesis 59, 153

Differentiation; Nervous system; Expression; Notch; Groucho 59, 73

Differentiation; Neurogenic gene; Neural tube; Transgenic mice; Receptor 59, 177

**DNA-binding**; *Drosophila*; *teashirt*; Zinc-finger protein; Homeotic target gene; *modulo* **59**, 191

Dorsal-ventral axis; Drosophila; Oogenesis; Signal transduction; Confocal 59, 105

Drosophila visual system; Afferent input; Neural and glial precursors 59, 11

Drosophila; Dorsal-ventral axis; Oogenesis; Signal transduction; Confocal 59, 105

Drosophila; iroquois; achaete-scute complex; Prepattern; Neurogenesis 59, 63

Drosophila; teashirt; Zinc-finger protein; DNA-binding; Homeotic target gene; modulo 59, 191

Early embryogenesis; G protein-coupled receptors; Endothelium; Vertebrate; *Xenopus laevis* 59, 129

Early embryogenesis; *Xenopus*; Heterotrimeric GTP-binding proteins; Localized maternal mRNA; In situ hybridization 59, 141

Embryogenesis; Protein tyrosine phosphatase; Embryonic stem cells; Epiblast; Mesoderm; Gametogenesis; Differential RNA display 59, 153

Embryonic stem cell; Central nervous system; Neuronal precursor cell; In vitro culture; Synapse 59, 89

Embryonic stem cells; Protein tyrosine phosphatase; Embryogenesis; Epiblast; Mesoderm; Gametogenesis; Differential RNA display 59, 153

Endothelium; G protein-coupled receptors; Early embryogenesis; Vertebrate; Xenopus laevis 59, 129

Epiblast; Protein tyrosine phosphatase; Embryonic stem cells; Embryogenesis; Mesoderm; Gametogenesis; Differential RNA display 59, 153

Epithelial-mesenchymal transition; β-Catenin; Lymphoid enhancer factor-1; Nuclear localization; Wingless/Wnt-signaling; Xenopus 59,

Ets genes; pointed; c-ets-1/c-ets-2; R7-photoreceptor; Central nervous system; Evolution 59, 29

Evolution; Ets genes; pointed; c-ets-1/c-ets-2; R7-photoreceptor; Central nervous system 59, 29

Evx-2; Hox genes; Development; Trunk; Pectoral fins; Analia-genitalia; Limb 59, 165

Expression; Differentiation; Nervous system; Notch; Groucho 59, 73

Floor plate; Syndecan; Heparan sulfate proteoglycan; Neural induction; Xenopus laevis 59, 115

G protein-coupled receptors; Endothelium; Early embryogenesis; Vertebrate; Xenopus laevis 59, 129

Gametogenesis; Protein tyrosine phosphatase; Embryonic stem cells; Embryogenesis; Epiblast; Mesoderm; Differential RNA display 59, 153

Gene pair; Chordotonal organs; Head development; Peripheral nervous system; Zinc finger proteins 59, 53

Groucho; Differentiation; Nervous system; Expression; Notch 59, 73

**Head development**; Chordotonal organs; Gene pair; Peripheral nervous system; Zinc finger proteins 59, 53

Heparan sulfate proteoglycan; Syndecan; Floor plate; Neural induction; Xenopus laevis 59, 115

Heterotrimeric GTP-binding proteins; Xenopus; Early embryogenesis; Localized maternal mRNA; In situ hybridization 59, 141

Homeotic target gene; Drosophila; teashirt; Zinc-finger protein; DNA-binding; modulo 59, 191

Hox genes; Evx-2; Development; Trunk; Pectoral fins; Analiagenitalia; Limb 59, 165

In situ hybridization; *Xenopus*; Heterotrimeric GTP-binding proteins; Early embryogenesis; Localized maternal mRNA 59, 141

In vitro culture; Embryonic stem cell; Central nervous system; Neuronal precursor cell; Synapse 59, 89

iroquois; achaete-scute complex; Prepattern; Drosophila; Neurogenesis 59, 63

Limb; Hox genes; Evx-2; Development; Trunk; Pectoral fins; Analiagenitalia 59, 165

Localized maternal mRNA; Xenopus; Heterotrimeric GTP-binding proteins; Early embryogenesis; In situ hybridization 59, 141

Lymphoid enhancer factor-1;  $\beta$ -Catenin; Nuclear localization; Wingless/Wnt-signaling; Epithelial-mesenchymal transition; *Xenopus* 59,

MEF2; Zebrafish; Cardiogenesis; Myogenesis; Somites 59, 205

Mesoderm; Protein tyrosine phosphatase; Embryonic stem cells; Embryogenesis; Epiblast; Gametogenesis; Differential RNA display 59, 153

modulo; Drosophila; teashirt; Zinc-finger protein; DNA-binding; Homeotic target gene 59, 191

Myogenesis; MEF2; Zebrafish; Cardiogenesis; Somites 59, 205

Nervous system; Differentiation; Expression; Notch; Groucho 59, 73

Neural and glial precursors; *Drosophila* visual system; Afferent input 59, 11

Neural induction; Syndecan; Heparan sulfate proteoglycan; Floor plate; Xenopus laevis 59, 115

Neural tube; Neurogenic gene; Transgenic mice; Differentiation; Receptor 59, 177

Neurogenesis; iroquois; achaete-scute complex; Prepattem; Droso-phila 59, 63

Neurogenic gene; Neural tube; Transgenic mice; Differentiation; Receptor 59, 177

Neuronal precursor cell; Embryonic stem cell; Central nervous system; In vitro culture; Synapse 59, 89

Notch; Differentiation; Nervous system; Expression; Groucho 59, 73

Nuclear localization; β-Catenin; Lymphoid enhancer factor-1; Wingless/Wnt-signaling; Epithelial-mesenchymal transition; Xenopus 59,

Oogenesis; Drosophila; Dorsal-ventral axis; Signal transduction; Confocal 59, 105

Pectoral fins; Hox genes; Evx-2; Development; Trunk; Analiagenitalia; Limb 59, 165

Peripheral nervous system; Chordotonal organs; Gene pair; Head development; Zinc finger proteins 59, 53

pointed; Ets genes; c-ets-1/c-ets-2; R7-photoreceptor; Central nervous system; Evolution 59, 29

Prepattern; iroquois; achaete-scute complex; Drosophila; Neurogenesis 59, 63

Protein tyrosine phosphatase; Embryonic stem cells; Embryogenesis; Epiblast; Mesoderm; Gametogenesis; Differential RNA display 59, 153

**R7-photoreceptor**; *Ets* genes; *pointed*; *c-ets-1/c-ets-2*; Central nervous system; Evolution **59**, 29

Receptor tyrosine kinase; Skeletal muscle differentiation; Decidua; Syncytia 59, 41

Receptor; Neurogenic gene; Neural tube; Transgenic mice; Differentiation 59, 177

Signal transduction; Drosophila; Dorsal-ventral axis; Oogenesis; Confocal 59, 105

Skeletal muscle differentiation; Receptor tyrosine kinase; Decidua; Syncytia 59, 41

Somites; MEF2; Zebrafish; Cardiogenesis; Myogenesis 59, 205

Synapse; Embryonic stem cell; Central nervous system; Neuronal precursor cell; In vitro culture 59, 89

Syncytia; Receptor tyrosine kinase; Skeletal muscle differentiation; Decidua 59, 41

Syndecan; Heparan sulfate proteoglycan; Floor plate; Neural induction; Xenopus laevis 59, 115

teashirt; Drosophila; Zinc-finger protein; DNA-binding; Homeotic target gene; modulo 59, 191

Transgenic mice; Neurogenic gene; Neural tube; Differentiation; Receptor 59, 177

Trunk; Hox genes; Evx-2; Development; Pectoral fins; Analiagenitalia; Limb 59, 165

Vertebrate; G protein-coupled receptors; Endothelium; Early embryogenesis; *Xenopus laevis* **59**, 129 Wingless/Wnt-signaling; β-Catenin; Lymphoid enhancer factor-1; Nuclear localization; Epithelial-mesenchymal transition; Xenopus 59, 3

Xenopus laevis; G protein-coupled receptors; Endothelium; Early embryogenesis; Vertebrate 59, 129

Xenopus laevis; Syndecan; Heparan sulfate proteoglycan; Floor plate; Neural induction 59, 115

**Xenopus**;  $\beta$ -Catenin; Lymphoid enhancer factor-1; Nuclear localization; Wingless/Wnt-signaling; Epithelial-mesenchymal transition **59**, 3

Xenopus; Heterotrimeric GTP-binding proteins; Early embryogenesis; Localized maternal mRNA; In situ hybridization 59, 141

Zebrafish; MEF2; Cardiogenesis; Myogenesis; Somites 59, 205

Zinc finger proteins; Chordotonal organs; Gene pair; Head development; Peripheral nervous system 59, 53

Zinc-finger protein; Drosophila; teashirt; DNA-binding; Homeotic target gene; modulo 59, 191